

From: [Byrum, Alex](#)
To: [Eric Delgado/R6/USEPA/US@EPA](#); [Parnell, Heth](#); [Eric Paisley/R6/USEPA/US@EPA](#)
Subject: RE: Fires Near Los Alamos National Laboratory
Date: 06/27/2011 12:43 PM
Attachments: [Air Sampler 4inch.bmp](#)

EPA Region 6 has eight RadeCo H-810 air samplers that can be used to collect the 4" air sample referred to below. They are all calibrated and ready to be sent to the field according to the EPA portal and my recollection of their status when I last looked at them prior to the Superbowl. However, EPA Region 6 does not have any 4" air filter sampling heads or any 4" air sample filters on hand.
See attached picture for what a 4" filter head looks like (on the right) compared to what we have in our kits (on the left).

Current Rad response air sampling in Region 6 still relies upon the RadeCo and the Hi-Volume air samplers. I do not know of any other guidance that suggests EPA purchase additional air sampling equipment. The H-810 will still collect a 2" filter that can be analyzed for Alpha and Beta particulate contamination, both at the lab and in the field using EPA's Ludlum Model 3030.

Available	H-810 Pump	EPA01933	RadeCo	09-24-2010	N	Sampling >
Air Sampling >	Pump > n/a					
Available	H-810 Pump	EPA01934	RadeCo	09-24-2010	N	Sampling >
Air Sampling >	Pump > n/a					
Available	H-810 Pump	A87709 N/A	RadeCo	09-24-2010	N	Sampling >
Air Sampling >	Pump > n/a					
Available	H-810 Pump	EPA01932	RadeCo	09-24-2010	N	Sampling >
Air Sampling >	Pump > n/a					
Available	H-810 Pump	S41230 3104	RadeCo	12-27-2010	N	Sampling >
Air Sampling >	Pump > n/a					
Available	H-810 Pump	S41231 3101	RadeCo	12-27-2010	N	Sampling >
Air Sampling >	Pump > n/a					
Available	H-810 Pump	S41229 3103	RadeCo	12-27-2010	N	Sampling >
Air Sampling >	Pump > n/a					
Available	H-810 Pump	S41228 3102	RadeCo	12-27-2010	N	Sampling >
Air Sampling >	Pump > n/a					

I am not certain if the BGI PQ-200 air sampler has a sampling method that would work, but I imagine if the flow was set properly and the sample media fit into the counter, that it would be something we could make work. We currently have 12 of those and they are all available according to the equipment portal.
Please let me know if you have any more questions.

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-----Original Message-----

From: Delgado.Eric@epamail.epa.gov [mailto:Delgado.Eric@epamail.epa.gov]
Sent: Monday, June 27, 2011 12:20 PM
To: Parnell, Heth; Byrum, Alex; Eric Paisley
Subject: Fw: Fires Near Los Alamos National Laboratory

Let me know the status of the equipment listed below

----- Original Message -----

From: Greg Fife
Sent: 06/27/2011 01:14 PM EDT
To: "Eric Delgado" <delgado.eric@epa.gov>
Subject: Fw: Fires Near Los Alamos National Laboratory

Fyi

Sent using BlackBerry

----- Original Message -----

From: Gregg Dempsey
Sent: 06/27/2011 09:29 AM PDT
To: Jonathan Edwards; Michael Clark; Ron Fraass; Roger Goodman; Lee Veal; Mike Flynn
Cc: Dennisses Valdes; Dave Wright; Scott Hudson; "O'Laughlin, Colleen" <O'Laughlin@nv.doe.gov>; Epahq Eoc; LV R&IE All (OAR-LV); George Brozowski; Greg Fife; Sara DeCair; Jennifer Mosser
Subject: Fires Near Los Alamos National Laboratory
I was informed this morning by EPA Region 6 that a large forest fire is on a ski resort property near the Los Alamos National Laboratory (LANL). Both the city of Los Alamos and LANL have been evacuated due to smoke. At this time LANL is not fire-affected. I am also sure that DOE is doing everything in its power to make sure LANL does not burn.

If the State of New Mexico requests assistance from EPA, it will most likely be later in the week. EPA Region 6 would be the lead, and I think that Greg Fife would be the lead OSC. As our response to the last fire at Los Alamos (Cerro Grande) in 2001 proved, we will need the "medium vol" 4" air samplers. The traditional 4" high vols used last time at the very beginning of that response smoke loaded and choked. As you may remember, the main problem at the Cerro Grande Fire in 2001



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was that the fire storms on LANL property lofted loose dirt containing radiological contaminants, but that did not approach any guidance level for protective actions, and was just barely over detectable limits for plutonium. They were able to protect their buildings where radioactive materials were used. I would expect a similar situation again, if fire comes onto the property.

I am not aware if DOE has an interest in this from a FRMAC perspective at this time, but I am sure they are also monitoring the situation. LANL also has its own ambient radiation monitoring system.

ORIA laboratories: please give me a status of your 4" medium volume (or what you might call variable speed 4") air samplers. I need number available and when they will be going out of calibration.

I will inform you if there's any change in our response status.

Gregg Dempsey
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